

**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

Application Number

10/582,269

Filing Date

June 9, 2006

First Named Inventor

Yasushi KOBUCHI et al.

Art Unit

Not Yet Assigned

Examiner Name

Not Yet Assigned

Attorney Docket Number

2691-000043/US

**ENCLOSURES (check all that apply)**☐ Fee Transmittal Form☐ Fee Attached☐ Amendment / Reply☐ After Final☐ Affidavits/declaration(s)☐ Extension of Time Request☐ Express Abandonment Request☐ Information Disclosure  
Statement☐ Certified Copy of Priority  
Document(s)☒ Reply to Missing Parts/  
Incomplete Application☐ Reply to Missing Parts  
under 37 CFR 1.52 or 1.53☐ Drawing(s)☐ Licensing-related Papers☐ Petition☐ Petition to Convert to a  
Provisional Application☐ Power of Attorney, Revocation  
Change of Correspondence Address☐ Terminal Disclaimer☐ Request for Refund☐ CD, Number of CD(s) \_\_\_\_\_☐ Landscape Table on CD

Remarks

Mail Stop: PCT

☐ After Allowance Communication to TC☐ Appeal Communication to Board  
of Appeals and Interferences☐ Appeal Communication to TC  
(Appeal Notice, Brief, Reply Brief)☐ Proprietary Information☐ Status Letter☒ Other Enclosure(s)  
(please identify below):• Response to Notice to File Missing Requirements  
of an Application (2 pages)

• Copy of Signed Declaration (3 pages)

• USPTO Form PCT/DO/EO/905 (2 pages)

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm

Harness, Dickey &amp; Pierce, P.L.C.

Signature

Printed Name

Donald J. Daley

Date

April 18, 2007

Reg. No.

34,313

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

**Mail Stop PCT**  
**PATENT**  
2691-000043/US

IN THE U.S. PATENT AND TRADEMARK OFFICE

Application No.: **10/582,269** Conf.: 1344  
Applicant: Yasushi KOBUCHI et al.  
International App. No.: PCT/JP2004/018143  
Filed: June 9, 2006  
For: SEPARATOR (as amended)

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**RESPONSE TO NOTICE TO FILE MISSING**  
**REQUIREMENTS OF AN APPLICATION**

Customer Service Window  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314  
**Mail Stop PCT**

April 18, 2007

Sir:

Under the provisions of 37 C.F.R. § 1.494 or 37 C.F.R. § 1.495, attached hereto are the following additional items necessary for entering the national phase in connection with the above-identified PCT international application.

- ☒ Executed Declaration and Power of Attorney.
  - ☐ Original ☒ Photocopy
- ☒ Attached is a copy of Form PCT/DO/EO/905.
- ☒ Submitted concurrently herewith **under separate cover** for recording is an Assignment.
- ☒ No extension fee is required because the undersigned has filed the documents

within the allotted time given by the Notification of Missing Requirements (Form PCT/DO/EO/905). However, if for some reason it is determined that an extension of time is necessary, applicant hereby respectfully petitions for an extension of time for the filing of the present paper in accordance with the provisions of 37 C.F.R. § 1.136 and 37 C.F.R. § 1.17.

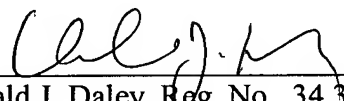
☒ The Government Filing Surcharge in the amount of \$130.00 in accordance with 37 C.F.R. §§ 1.494 and 1.492 **was previously paid for** concurrently with the filing of the application on **June 9, 2006**.

☒ Submitted concurrently herewith **under separate cover** for recording is an Assignment.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 08-0750 for any additional fee required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

Respectfully submitted,

HARNESS, DICKY & PIERCE, P.L.C.

By   
Donald J. Daley, Reg. No. 34,313  
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DJD/LFG/cm

Attachments



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/582,269	Yasushi Kobuchi	2691-000043/US

INTERNATIONAL APPLICATION NO.
PCT/JP04/18143

I.A. FILING DATE	PRIORITY DATE
12/06/2004	12/09/2003

30593  
HARNES, DICKEY & PIERCE, P.L.C.  
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RESTON, VA 20195

Miss Reg  
4/21/07

CONFIRMATION NO. 1344  
371 FORMALITIES LETTER



\*OC000000022555039\*

Date Mailed: 02/21/2007

### NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/09/2006
- Copy of the International Search Report filed on 06/09/2006
- Copy of IPE Report filed on 06/09/2006
- Preliminary Amendments filed on 06/09/2006
- Information Disclosure Statements filed on 06/09/2006
- Request for Immediate Examination filed on 06/09/2006
- U.S. Basic National Fees filed on 06/09/2006
- Substitute Specification filed on 06/09/2006
- Priority Documents filed on 06/09/2006



The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

Registered users of EFS-Web may alternatively submit their reply to this notice via EFS-Web.  
<https://portal.uspto.gov/authenticate/AuthenticateUserLocalEPF.html>

For more information about EFS-Web please call the USPTO Electronic Business Center at 1-866-217-9197 or visit our website at <http://www.uspto.gov/ebc>.

**If you are not using EFS-Web to submit your reply, you must include a copy of this notice.**

CHRISTINE S WASHINGTON

Telephone: (703) 308-9140 EXT 228

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/582,269	PCT/JP04/18143	2691-000043/US

FORM PCT/DO/EO/905 (371 Formalities Notice)